



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
Chen, et al.

Serial No.: 10/678,906

Confirmation No.: Unknown

Filed: October 3, 2003

For: Methods for Reducing  
Delamination During  
Chemical Mechanical  
Polishing

§  
§  
§  
§  
§  
§  
§  
§  
§  
§  
§

Group Art Unit: Unknown

Examiner: Unknown

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING 37 CFR 1.8	
I hereby certify that this correspondence is being deposited on January <u>8</u> , 2004 with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.	
<u>01/08/2004</u> Date	<u>[Signature]</u> Signature

Dear Sir:

### INFORMATION DISCLOSURE STATEMENT

The Applicants, and the Attorney who signs below on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

While the information submitted in this Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to therein is prior art for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97, this Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possibly material information as defined under 37 CFR § 1.56(a) exists.



The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

If the sum of \$180.00 is due under 37 CFR § 1.17(p) pursuant to § 1.97, the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely, to the Deposit Account No.20-0782/AMAT/7773/BKH.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Brian K. Hrna", written over a horizontal line.

Brian K. Hrna  
Registration No. 41,852  
MOSER, PATTERSON & SHERIDAN, L.L.P.  
3040 Post Oak Blvd. Suite 1500  
Houston, TX 77056  
Telephone: (713) 623-4844  
Facsimile: (713) 623-4846  
Attorney for Applicant(s)

U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)					Docket No. AMAT/7773/CMP/ CMP/RKK		Serial No. 10/678,906	
LIST OF PATENTS AND PUBLICATIONS CITED BY APPLICANT (Use several sheets if necessary)					Applicant Chen, et al.		Confirmation No.: Unknown	
Examiner Unknown					Filing Date October 3, 2003		Group Unknown	

JAN 12 2004  
U.S. DEPARTMENT OF COMMERCE  
PATENT & TRADEMARK OFFICE


U.S. Patent Documents							
*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A1	6,435,945	08/20/2002	Somekh	451	41	02/10/1999
	A2	6,375,559	04/23/2002	James, et al.	451	527	08/27/1999
	A3	6,271,416	08/07/2001	Takagaki, et al.	562	433	06/20/2000
	A4	6,258,721	07/10/2001	Li, et al.	438	693	12/27/1999
	A5	6,235,633	05/22/2001	Jang	438	675	04/12/1999
	A6	6,218,290	04/17/2001	Schonauer, et al.	438	633	11/25/1998
	A7	6,217,416	04/17/2001	Kaufman, et al.	451	41	06/26/1998
	A8	6,184,141	02/06/2001	Avanzino, et al.	438	692	11/24/1998
	A9	6,183,686	02/06/2001	Bardus, et al.	419	8	08/03/1999
	A10	6,156,661	12/05/2000	Small	438	692	08/27/1999
	A11	6,143,656	11/07/2000	Yang, et al.	438	687	10/22/1998
	A12	6,136,714	10/24/2000	Schulz	438	692	12/17/1998
	A13	6,117,783	09/12/2000	Small, et al.	438	693	03/23/1998

Foreign Patent Documents								
*Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
							YES	NO
	B1	1 116 762	07/18/2001	EP	C09G	01/02	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B2	1 093 161	04/18/2001	EP	H01L	21/768	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B3	1 125 999	08/22/2001	EP	C09G	01/02	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B4	1 104 020	05/30/2001	EP	H01L	21/768	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B5	1 085 067	03/21/2001	EP	C09G	01/02	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B6	1 006 166	06/07/2000	EP	C09G	01/02	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B7	1 011 131	06/21/2000	EP	H01L	21/321	<input type="checkbox"/>	<input checked="" type="checkbox"/>

OTHER ART		
*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.
	C1	United States Patent Application 09/569,968 filed on 05/11/2000 (AMAT/4534)
	C2	
Examiner		Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)					Docket No. AMAT/7773/CMP/ CMP/RKK		Serial No. 10/678,906	
LIST OF PATENTS AND PUBLICATIONS CITED BY APPLICANT (Use several sheets if necessary)					Applicant Chen, et al.		Confirmation No.: Unknown	
Examiner Unknown					Filing Date October 3, 2003		Group Unknown	



U.S. Patent Documents							
*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A14	6,117,775	09/12/2000	Kondo, et al.	438	690	10/30/1998
	A15	6,113,465	09/05/2000	Kim, et al.	451	41	06/16/1998
	A16	6,083,840	07/04/2000	Mravic, et al.	438	693	11/25/2003
	A17	6,074,949	06/13/2000	Schonauer, et al.	438	692	11/25/1998
	A18	6,068,879	05/30/2000	Pasch	427	97	08/26/1997
	A19	6,001,730	12/14/1999	Farkas, et al.	438	627	10/20/1997
	A20	5,985,755	11/16/1999	Bajaj, et al.	438	645	03/24/1997
	A21	5,985,748	11/16/1999	Watts, et al.	438	622	12/01/1997
	A22	5,981,454	11/09/1999	Small	510	175	02/14/1997
	A22	5,954,997	09/21/1999	Kaufman, et al.	252	79.1	12/09/1996
	A23	5,897,426	04/27/1999	Somekh	451	41	04/24/1998
	A24	5,893,796	04/13/1999	Birang, et al.	451	526	08/16/1996
	A25	5,842,910	12/01/1998	Krywanczyk, et al.	451	41	03/10/1997
	A26	5,783,489	07/21/1998	Kaufman, et al.	438	692	09/24/1996
	A27	5,735,963	04/07/1998	Obeng	134	3	12/17/1996

Foreign Patent Documents								
*Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
							YES	NO
	B8	1 603 558	06/11/1971	FR	C23G	01/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B9	2001-139937	05/22/2001	JP	C09K	03/14	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B10	2001-127018	05/11/2001	JP	H01L	21/304	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B11	2000-011709	02/25/2000	KR	B44C	01/22	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B12	00/30159	05/25/2000	WO	H01L	21/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>

OTHER ART	
*Examiner Initial	Including Author, Title, Date, Pertinent Pages, Etc.
C3	Written Opinion from PCT International Preliminary Examining Authority for US/02/00062, dated 05/12/2003 (AMAT/5538.PCT)
C4	

Examiner	Date Considered
----------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)		Docket No. AMAT/7773/CMP/ CMP/RKK	Serial No. 10/678,906
<b>LIST OF PATENTS AND PUBLICATIONS CITED BY APPLICANT</b>		Applicant Chen, et al.	Confirmation No.: Unknown
(Use several sheets if necessary)		Filing Date October 3, 2003	Group Unknown
Examiner Unknown			

**U.S. Patent Documents**

*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A28	5,693,563	12/02/1997	Teong	437	190	07/15/1996
	A29	5,676,587	10/14/1997	Landers, et al.	451	57	12/06/1995
	A30	5,340,370	08/23/1994	Cadien, et al.	51	308	11/03/1993
	A31	4,920,031	04/24/1990	Ohno, et al.	430	522	06/20/1998
	A32	2003/0022501	01/30/2003	Tsai, et al.	438	692	07/19/2002
	A33	2003/0013306	01/16/2003	Tsai, et al.	438	692	07/11/2002
	A34	2003/0013387	01/16/2003	Sun, et al.	451	41	06/27/2002
	A35	2003/0062833	04/03/2003	Tsai, et al.	313	578	10/27/2000
	A36	2003/0022801	01/30/2003	Sun, et al.	510	175	08/08/2002
	A37	2002/0090820	07/11/2002	Sun, et al.	438	690	01/05/2001
	A38	2002/0064769	05/30/2002	Michnick, et al.	435	4	10/03/2001
	A39	2001/0013506	08/16/2001	Chamberlin, et al.	216	88	03/28/2001

**F reign Patent Documents**

*Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
							YES	NO
	B13	00/24842	05/04/2000	WO	C09K	03/14	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B14	00/35627	06/22/2000	WO	B24B	37/04	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B15	00/02238	01/13/2000	WO	H01L	21/02	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B16	00/00561	01/06/2000	WO	C09G	01/02	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B17	98/41671	09/24/1998	WO	C23F	01/14	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B18	98/49723	11/05/1998	WO	H01L	21/321	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B19	98/04646	02/05/1998	WO	C09K	13/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B20	98/44061	08/10/1998	WO	C09G	01/02	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B21	98/36045	08/20/1998	WO	C11D	03/18	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**OTHER ART**

*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.
	C5	
	C6	

Examiner

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.